



## Schottky Rectifier

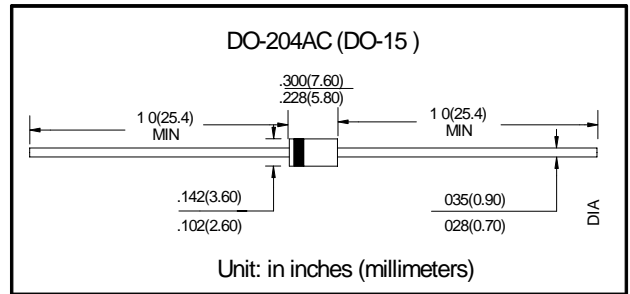
### ■ Features

- $I_o$  2.0A
- $V_{RRM}$  20V-100V
- High surge current capability

### ■ Applications

- Rectifier

### ■ Outline Dimensions and Mark



### ■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	SB2						
				20	30	40	50	60	80	100
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		20	30	40	50	60	80	100
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	2.0						
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	50						
Junction Temperature	$T_J$	$^\circ\text{C}$		-55~+125						
Storage Temperature	$T_{STG}$	$^\circ\text{C}$		-55 ~ +150						

### ■ Electrical Characteristics ( $T_a=25^\circ\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	SB2						
				20	30	40	50	60	80	100
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=2.0\text{A}$	0.55		0.7		0.85		
Peak Reverse Current	$I_{RRM1}$	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$						
	$I_{RRM2}$			$T_a=125^\circ\text{C}$						
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient		35					
	$R_{\theta J-L}$		Between junction and lead		20					



■ Characteristics(Typical)

